

## Summary of 2013 National CDC EHDI Data

**Data Source:** 2013 CDC EHDI Hearing Screening & Follow-up Survey (HSFS)

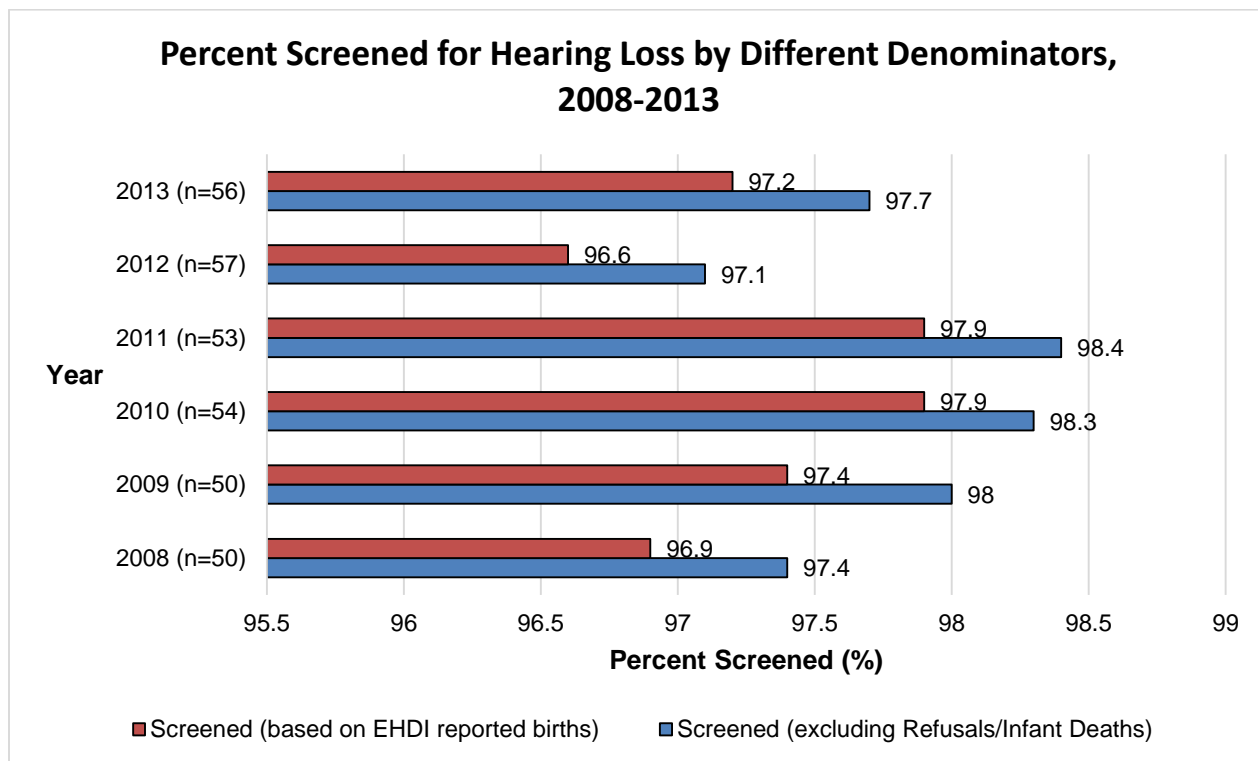
**Number of Respondents: 56<sup>a</sup>** (50 states, 5 territories, and the District of Columbia) AL, AK, American Samoa, AZ, AR, CA, CO, CNMI, CT, DE, DC, FL, GA, Guam, HI, ID, IL, IN, IA, KS, KY, LA, ME, Republic of the Marshall Islands, MD, MA, MI, MN, MS, MO, MT, NE, NV, NH, NJ, NM, NY, NC, ND, OH, OK, OR, Palau, PA, RI, SC, SD, TN, TX, UT, VT, VA, WA, WV, WI, WY

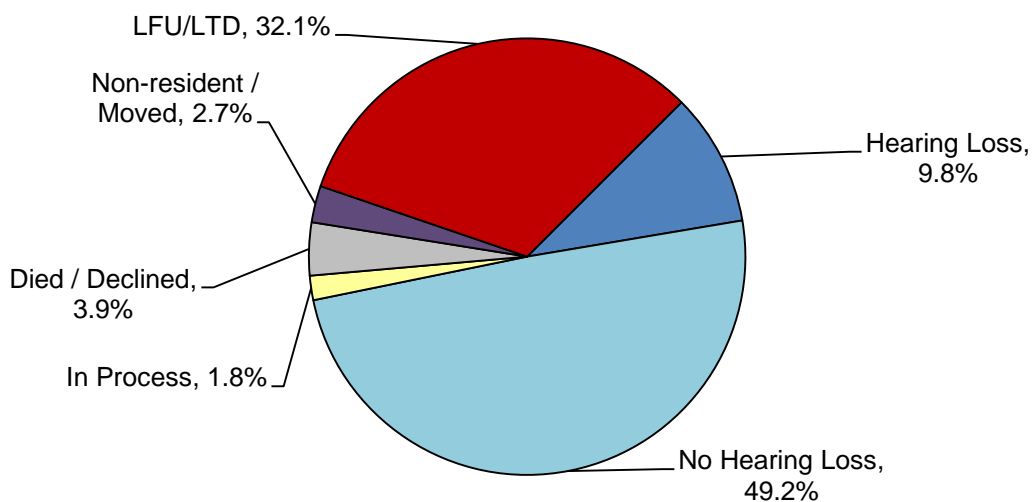
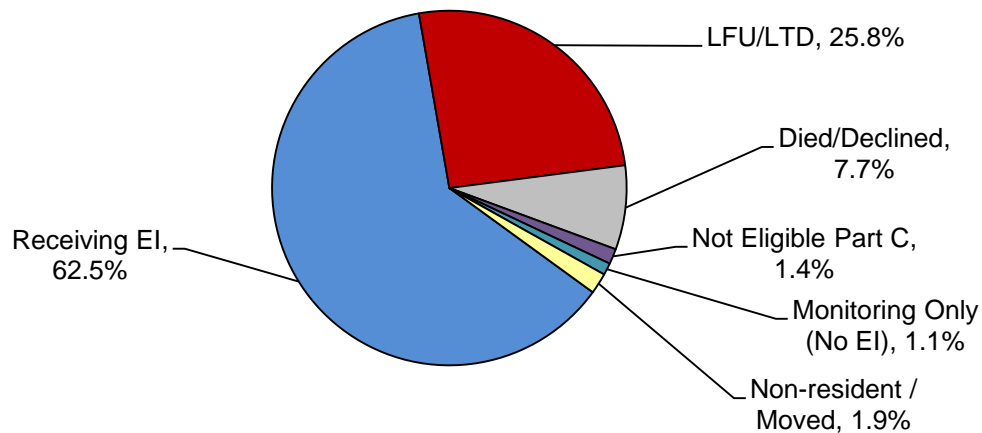
2013 Documented EHDI Data Items	
Total Occurrent Births (according to state & territorial EHDI programs) <sup>^</sup>	3,915,861
<b>Documented Hearing Screening<sup>^</sup></b>	
Percent Screened	97.2% (n = 3,805,634)
○ Percent Screened (excluding infant deaths & parental refusals)	97.7%
○ Percent Screened before 1 Month of Age	91.4% (n = 3,479,305)
Percent <u>Not</u> Passing final / most recent screening	1.6% (n = 61,653)
○ Percent Not Passing Inpatient Screen and Not Receiving an Outpatient Screen	14.6% (n = 9,008)
<b>Documented Diagnosis<sup>*</sup> (based on 53,572 infants not passing)</b>	
Percent Diagnosed	59.0% (n = 31,586)
○ Percent with No Hearing Loss (i.e., no diagnosed hearing loss)	49.2% (n = 26,333)
○ Percent with Hearing Loss	9.8% (n = 5,253)
○ Percent Diagnosed (normal hearing + hearing loss) before 3 Months of Age	69.0% (n = 21,806)
Prevalence of Hearing Loss	1.5 per 1,000 screened
<b>No Documented Diagnosis<sup>*</sup></b>	
Percent w. No Documented Diagnosis (of those not passing):	41.0% (n = 21,986)
○ In Process	1.8% (n = 983)
○ Infant Died / Parents Declined	3.9% (n = 2,086)
○ Non-Resident / Moved	2.7% (n = 1,471)
○ Percent Loss to Follow-up (LFU) / Loss to Documentation (LTD) for Diagnosis ▪ LFU/LTD = # Parents/Family Contacted but Unresponsive (7,190) + # Unable to Contact (2,608) + # Unknown (7,414)	32.1% (n = 17,212) (Range 0.0 – 86.8%)
○ Percent LFU/LTD for Diagnosis <u>excluding</u> Infants Not Passing an Inpatient Screen and not having a documented Outpatient Screen	17.1% (n = 9,138)
<b>Other Cases of Hearing Loss</b>	
Number of Additional Cases (e.g., late-onset hearing loss & infants not screened at birth)	n = 623
Number of Cases of Non-Permanent / Transient Hearing Loss	n = 1,307
<b>Documented Referral to Early Intervention (EI)<sup>**</sup> (based on 5,466 infants w. hearing loss)</b>	
Percent Referred to Part C EI (of those with hearing loss)	87.3% (n = 4,772)
○ Percent Eligible for Part C EI (of those referred)	92.3% (n = 4,407)
Percent Not Referred to Part C and Unknown (of those with hearing loss)	12.7% (n = 694)
<b>Documented Enrollment in EI<sup>**</sup></b>	
Percent w. Hearing Loss Receiving EI (Part C & Non-Part C) ○ Receiving EI = # in Part C EI (3,340) + # in Non-Part C EI (74)	62.5% (n = 3,414) (Range 0.0% - 100%)
○ Percent Receiving EI before 6 Months of Age (Part C & Non-Part C)	69.9% (n = 2,386)
<b>No Documented Enrollment in EI<sup>**</sup></b>	
Percent Receiving No EI Services (of those with hearing loss)	36.5% (n = 1,994)
○ Infant Died / Parents Declined (of those with hearing loss)	7.7% (n = 421)
○ Non-Resident / Moved (of those with hearing loss)	1.9% (n = 104)
○ Not Eligible for Part C EI	1.4% (n = 77)
○ Percent LFU / LTD for Intervention ▪ LFU/LTD = # Parents/Family Contacted but Unresponsive (189) + # Unable to Contact (117) + # Unknown (1,103)	25.8% (n = 1,409) (Range 0.0 % - 100%)

**Notes<sup>a</sup>:** Some jurisdictions only reported partial data (e.g., only hearing screening data) Number of Respondents: <sup>^</sup>56 States & Territories; <sup>\*</sup> 53 States & Territories; <sup>\*\*</sup> 54 States & Territories (different than States & Territories reporting diagnostic data)

For summaries by jurisdiction please visit: [www.cdc.gov/ncbddd/hearingloss/ehdi-data.html](http://www.cdc.gov/ncbddd/hearingloss/ehdi-data.html)

## Summary of 2013 National CDC EHDI Data



**Summary of 2013 National CDC EHDI Data****Documented Diagnostic Status of Infants Not Passing  
Hearing Screening****(U.S., 2013) Total Not Pass= 53,572****Documented Intervention Status of Infants with Hearing Loss****(U.S., 2013) Total w. Hearing Loss = 5,466**

## Summary of 2013 National CDC EHDI Data

### Data Notes

- HSFS data reflects information that states and territories have reportedly **documented** without estimation. As a result, data reported by CDC EHDI may differ from other sources.
- Some respondents only provided partial data (e.g. hearing screening data only). As a result the number of reporting states and territories and denominators varies for some of the data sections.
- This data is subject to change if additional states and/or territories report data for year 2013.
- **In Process:** Respondents were advised that to be reported in this category each infant must have been seen for diagnostic testing at least one time and have a follow-up appointment already scheduled.
- **LFU (Loss to Follow-up) / LTD (Loss to Documentation):** Sub group of “No Documented Diagnosis / Undetermined” and “No Intervention Services.” Includes instances where infant’s families were *Unable to be contacted or Unresponsive*, and *Unknown* cases.

### Explanation of 2013 Calculations

#### Documented Hearing Screening (based on data from 56 States & Territories)

##### Percent Screened

$3,805,634$  (# screened) /  $3,915,861$  (occurrent births reported by EHDI programs)  $\times 100 = 97.2\%$

##### Percent Screened (excluding infant deaths & parental refusals)

$3,805,634$  (# screened) /  $3,894,020$  (occurrent births excluding infant deaths & parental refusals)  $\times 100 = 97.7\%$

##### Percent Screened Before 1 Month of Age

$3,479,305$  (# Pass and # Not Pass before 1 Month of Age) /  $3,805,634$  (# Pass + # Not Pass)  $\times 100 = 91.4\%$

##### Percent Not Passing final / most recent hearing screening

$61,653$  (# not pass) /  $3,805,634$  (# screened)  $\times 100 = 1.6\%$

##### Percent Not Passing Inpatient (IP) Screen and Not Receiving an Outpatient (OP) Screen

$9,008$  (# not passing IP screen and not receiving an OP screen) /  $61,653$  (# not pass)  $\times 100 = 14.6\%$

#### Documented Diagnosis (based on 53,572 infants not passing / data from 53 States & Territories)

##### Percent Diagnosed

$26,333$  (# w. no hearing loss) +  $5,253$  (# with diagnosed permanent hearing loss) /  $53,572$  (# not pass)  $\times 100 = 59.0\%$

##### Percent with No Hearing Loss (i.e., no diagnosed hearing loss)

$26,333$  (# w. no hearing loss) /  $53,572$  (# not pass)  $\times 100 = 49.2\%$

##### Percent Hearing Loss

$5,253$  (# with diagnosed permanent hearing loss) /  $53,572$  (# not pass)  $\times 100 = 9.8\%$

##### Percent Diagnosed before 3 Months of Age

$21,806$  (# diagnosed with no hearing loss + # with permanent hearing loss before 3 Months) /  $31,586$  (# diagnosed with no hearing loss + # with permanent hearing loss)  $\times 100 = 69.0\%$

##### Prevalence of Hearing Loss

$5,253$  (# with diagnosed permanent hearing loss) /  $3,454,679$  (# screened)  $\times 1,000 = 1.5$  per 1,000 screened

#### No Documented Diagnosis (based on 53,572 infants not passing / data from 53 States & Territories)

##### Percent with No Documented Diagnosis (of those Not Passing)

$21,986$  (# with no documented diagnosis) /  $53,572$  (# not pass)  $\times 100 = 41.0\%$

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### Percent In Process

983 (# in process) / 53,572 (# not pass) x 100 = 1.8%

### Percent Infant Died / Parents Declined Services

2,086 (# infant died / parents declined services) / 53,572 (# not pass) x 100 = 3.9%

### Percent Non-resident or Moved Out of Jurisdiction

1,471 (# non-resident or moved out of jurisdiction) / 53,572 (# not pass) x 100 = 2.7%

### Percent LFU / LTD (*i.e., Unable to Contact / Unresponsive / Unknown*)

17,212 (# unable to contact / unresponsive / unknown) / 53,572 (# not pass) x 100 = 32.1%

### Percent LFU/LTD for Diagnosis excluding Infants Not Passing an Inpatient Screen and not having a documented Outpatient Screen

17,212 (# unable to contact / unresponsive / unknown) – 8,074 (# not passing IP screen and not receiving an OP screen) = 9,138

9,138 (# unable to contact / unresponsive / unknown - # Infants Not Passing Inpatient Screen and Not Receiving an Outpatient Screen) / 53,572 (# not pass) x 100 = 17.1%

### **Documented Referral to EI** (*based on 5,466 infants w. hearing loss / 54 States & Territories*)

#### Percent Referred to Part C EI (*of those with hearing loss*)

4,772 (# referred to Part C EI) / 5,466 (# w. permanent hearing loss) x 100 = 87.3%

#### Percent Eligible for Part C EI (*of those referred*)

4,407 (# eligible for Part C) / 4,772 (# referred to Part C) x 100 = 92.4%

#### Percent Not Referred to Part C and Unknown (*of those with hearing loss*)

694 (# not referred to Part C and unknown) / 5,466 (# w. permanent hearing loss) x 100 = 12.7%

### **Documented Enrollment in EI** (*based on 5,466 infants w. hearing loss / 54 States & Territories*)

#### Percent w. Hearing Loss Receiving EI (*Part C & Non-Part C*)

3,414 (# w. hearing loss receiving Part C & non-Part C EI) / 5,466 (# w. permanent hearing loss) x 100 = 62.5%

#### Percent Receiving EI before 6 Months of Age (*Part C & Non-Part C*)

2,386 (# receiving Part C EI before 6 months + # receiving Non-Part C EI before 6 Months) /  
3,414 (# receiving Part C EI + # receiving Non-Part C EI) x 100 = 69.9%

### **No Documented Enrollment in EI** (*based on 5,466 infants w. hearing loss / 54 States & Territories*)

#### Percent Receiving No EI Services (*of those with hearing loss*)

1,994 (# not receiving any EI services) / 5,466 (# w. permanent hearing loss) x 100 = 36.5%

#### Percent Infant Died / Parents Declined (*of those with hearing loss*)

421 (# infant died / parents declined services) / 5,466 (# w. permanent hearing loss) x 100 = 7.7%

#### Percent Non-Resident / Moved (*of those with hearing loss*)

104 (# non-resident or moved out of jurisdiction) / 5,466 (# w. permanent hearing loss) x 100 = 1.9%

#### Percent Not Eligible for Part C Intervention

77 (# not eligible for Part C Intervention) / 5,466 (# w. permanent hearing loss) x 100 = 1.4%

#### Percent LFU / LTD for Intervention

1,409 (# unable to contact / unresponsive / unknown) / 5,466 (# w. permanent hearing loss) x 100 = 25.8%